

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000797

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01H25/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 621 196 A (ASAGAWA TAKASHI ET AL) 15 April 1997 (1997-04-15)	1,2
A	column 4, line 52 - column 6, line 45; figures 1,2	3-6
Y	US 5 939 684 A (SIN YOUNG-DAE) 17 August 1999 (1999-08-17)	1,2
A	column 4, lines 35-59; figure 13	3-5
Y	EP 1 168 396 A (NOKIA CORPORATION) 2 January 2002 (2002-01-02)	1
	column 9, lines 15-21	
Y	US 6 198 175 B1 (KALB ROLAND ET AL) 6 March 2001 (2001-03-06)	2
	column 10, lines 35-54; figure 3B	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

11 February 2005

Date of mailing of the international search report

22/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 195 32 822 A (DIEHL GMBH & CO) 13 March 1997 (1997-03-13) the whole document -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000797

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5621196	A	15-04-1997	JP 3219353 B2 JP 8064079 A KR 154253 B1	15-10-2001 08-03-1996 16-11-1998
US 5939684	A	17-08-1999	CN 1170947 A ,C	21-01-1998
EP 1168396	A	02-01-2002	FI 20001510 A EP 1168396 A2 JP 2002056747 A US 2002000976 A1	27-12-2001 02-01-2002 22-02-2002 03-01-2002
US 6198175	B1	06-03-2001	DE 19548659 C1 WO 9722984 A2 DE 59603808 D1 EP 0870314 A2 ES 2141550 T3 JP 2001521459 T	28-05-1997 26-06-1997 05-01-2000 14-10-1998 16-03-2000 06-11-2001
DE 19532822	A	13-03-1997	DE 19532822 A1	13-03-1997